```
Set      Items    Description
S1      904916    DICTIONAR??? OR LIST??? OR TABLE? ? OR MATRIX OR MATRICES -
                  OR ARRAY? ? OR DATA()STRUCTURE? ?
S2      646191    RECORD? ? OR ENTRY OR ENTRIES OR ITEM? ?
S3      204563    INQUIR??? OR ENQUER??? OR QUER??? OR INSTRUCTION? ?
S4     1006916    POLL? ? OR POLLING OR POLLED OR CHECK??? OR TEST??? OR VER-
                  IF????
S5     1120378    CENTRAL???? OR SHARE? ? OR SHARING OR COMMON?? OR HOST? ?
S6      433931    NETWORK? ? OR WAN OR LAN
S7     1269589    COMPUTER? ? OR PC OR WORKSTATION? ? OR WORK()STATION? ? OR
                  MICROCOMPUTER? ?
S8     5277614    NODE? ? OR DEVICE? ? OR CLIENT? ?
S9     3195502    STATE? ? OR CONDITION? ? OR CONFIGUR?????? OR STATUS??
S10     453149    S8(5N)("ON" OR OFF OR BUSY)
S11      34321    (PRESENT OR PRESENCE OR EXIST???? OR DISTRIBUT??? OR CONFI-
                  GUR?????? OR UPDAT???)(3N)(FILE? ? OR PROGRAM? ? OR SOFTWARE -
                  OR APPLICATION? ?)
S12    2994722    GROUP? ? OR ORGANIZ????? OR ARRANG????? OR CLASSIF???????
S13    2151011    SUBJECT? ? OR CATEGOR???????? OR TYPE? ? OR TOPIC? ? OR CL-
                  ASS??
S14      23084    S1(3N)S2:S4
S15       4934    S6(3N)S4
S16     590222    S9:S11(5N)S7:S8
S17      56111    S2:S4(5N)S12:S13
S18          4    S14 AND S15 AND S16 AND S17
S19        175    S5(2N)S14
S20         50    S19 AND S12:S13
S21         16    S19 AND S16
S22         64    S20:S21
S23         45    S22 AND IC=G06F
S24         37    S23 NOT AD=19991118:20021118/PR
S25         28    S24 NOT AD=20021118:20051109/PR
S26         28    S25 NOT S18
S27         22    S14 AND S6 AND S16 AND S17
S28         18    S27 NOT (S18 OR S26)
S29     959098    TERMINAT??? OR STOP???? OR CEASE? ? OR CESSATION OR CEASING
S30    3273466    ABORT??? OR END??? OR EXIT??? OR FINISH???
S31      26739    S3:S4(5N)S29:S30
S32        381    S31 AND S14
S33         28    S32 AND S6
S34         27    S33 NOT (S18 OR S26 OR S28)
S35         45    S28 OR S34
S36         30    S35 NOT AD=19991118:20021118/PR
S37         26    S36 NOT AD=20021118:20051109/PR
S38      52250    (INFORMATION OR S9)(2N)(GATHER??? OR S3 OR S4)
S39        995    S38(5N)S6
S40         20    S39 AND S14
S41         19    S40 NOT (S18 OR S26 OR S28 OR S37)
S42          8    S41 NOT AD=19991118:20021118/PR
S43          7    S42 NOT AD=20021118:20051109/PR
File 347:JAPIO Nov 1976-2005/Jul(Updated 051102)
        (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200571
        (c) 2005  Thomson Derwent
? logoff hold
        09nov05 10:49:34 User259273 Session D199.4
```

**43/5/5     (Item 3 from file: 350)**
DIALOG(R)File 350:Derwent WPIX

011524296     **Image available**
WPI Acc No: 1997-500782/199746
XRPX Acc No: N97-417476
  **Failure detection method of network management system - involves
  detecting failure in network based on** checking **request** information
  **stored in** checking **request** list
Patent Assignee: NEC CORP (NIDE  )
Number of Countries: 001  Number of Patents: 001
Patent Family:
Patent No     Kind   Date     Applicat No     Kind   Date      Week
JP 9238136     A    19970909  JP 9669485      A    19960229  199746  B

Priority Applications (No Type Date): JP 9669485 A 19960229
Patent Details:
Patent No  Kind Lan Pg   Main IPC     Filing Notes
JP 9238136     A      5 H04L-012/24

Abstract (Basic): JP 9238136 A
      The method involves transmitting checking request signal
  periodically to an exchange appts (10). The requested information
  corresponding to the request signal is received from the exchange
  appts. The received information is stored in **checking** request **list**
  in a network node.
      The list is transmitted to a network management appts (100) in
  response to an enquiry signal. Failure of some network management appts
  is detected based on the information in the **checking** request **list** .
      ADVANTAGE - Recognises failure generation of network management
  appts efficiently. Avoids incorrect recognition.
      Dwg.1/2
Title Terms: FAIL; DETECT; METHOD; NETWORK; MANAGEMENT; SYSTEM; DETECT;
  FAIL; NETWORK; BASED; CHECK; REQUEST; INFORMATION; STORAGE; CHECK;
  REQUEST; LIST
Derwent Class: W01
International Patent Class (Main): H04L-012/24
International Patent Class (Additional): H04L-012/26
File Segment: EPI

012907568    **Image available**
WPI Acc No: 2000-079404/200007
XRPX Acc No: N00-062669
  **Reset control method in computer system - involves performing reset
  process only when specified conditions are satisfied, when reset signal
  is issued from process system**
Patent Assignee: HITACHI LTD (HITA  ); HITACHI SOFTWARE ENG CO LTD (HISF  )
Number of Countries: 001  Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| JP 11327695 | A | 19991126 | JP 98131684 | A | 19980514 | 200007 | B |

Priority Applications (No Type Date): JP 98131684 A 19980514
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| JP 11327695 | A | | 9 | G06F-001/24 | |

Abstract (Basic): JP 11327695 A
      NOVELTY - When reset signal (41) is issued from processing system,
   the host **computer** is reset only if specific **conditions** are
   satisfied otherwise host **computer** is not reset, so that other
   processing systems continue their process safely. DETAILED DESCRIPTION
   - The processing systems (20,70) are connected to a host computer (10)
   through a common host interface (40). A bus connection condition table
   (26) in processing system (20,70) records service condition of the bus.
   The current instruction status information is stored in instruction
   execution table (27). An INDEPENDENT CLAIM is also included for the
   information processing system.
      USE - For information processing systems having several process
   systems connected to host computer through common interface.
      ADVANTAGE - Enables performance of reset operation based on
   specific conditions and thereby guarantees continuation of operation of
   other healthy process systems reliably. Prevents generation of failure
   and thereby offers exact reset process. DESCRIPTION OF DRAWING(S) - The
   figure shows the conceptual diagram of information processing system.
   (10) Host computer; (20,70) Process systems; (26) Bus connection
   condition **table** ; (27) **Instruction** execution **table** ; (40) **Host**
   interface; (41) Reset signal.
      Dwg.1/7
Title Terms: RESET; CONTROL; METHOD; COMPUTER; SYSTEM; PERFORMANCE; RESET;
  PROCESS; SPECIFIED; CONDITION; SATISFY; RESET; SIGNAL; ISSUE; PROCESS;
  SYSTEM
Derwent Class: T01; U21
International Patent Class (Main): **G06F-001/24**
International Patent Class (Additional): **G06F-011/14**
File Segment: EPI

03077847    **Image available**
TRANSMISSION CONTROL SYSTEM

PUB. NO.:      02-053347  [JP 2053347  A]
PUBLISHED:     February 22, 1990 (19900222)
INVENTOR(s):   SHINOMIYA TOMOHIRO
               AMAMIYA SHIGEO                                    (
               IGUCHI KAZUO
               SOEJIMA TETSUO
APPLICANT(s):  FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
               (Japan)
APPL. NO.:     63-205363  [JP 88205363]
FILED:         August 18, 1988 (19880818)
INTL CLASS:    [5] H04L-012/40; H04B-010/20; H04Q-005/00
JAPIO CLASS:   44.3 (COMMUNICATION -- Telegraphy); 44.2 (COMMUNICATION --
               Transmission Systems); 44.4 (COMMUNICATION -- Telephone)
JOURNAL:       Section: E, Section No. 925, Vol. 14, No. 218, Pg. 74, May
               09, 1990 (19900509)

                              ABSTRACT
PURPOSE:  To  improve  reliability  and  to  miniaturize equipment scale by
sending  a  polling  signal,  which  corresponds to a  **polling   table** , to
respective  nodes  from  a  **network**  termination  equipment and sending a
signal as a correspondent response to this polling signal for the node.

CONSTITUTION:  A  **network     termination**  equipment  121 has a  **polling
 table**  131, for which information concerning the communication capacity of
respective  nodes  111  is received, and executes polling to the respective
nodes 111 based on this  **polling   table**  131. In the respective nodes, the
signal is sent as the response to the polling signal which is sent from the
 **network**  termination equipment 121. In such a manner, the multiplexing of
the  signal  to  be  sent  from  the  respective  nodes  111 is executed in
correspondence  to the  **polling**  from the  **network   termination**  equipment
121.  Thus,  the  overlapping  of  transmission  data  is prevented and the
reliability  is  improved.  Then, a  circuit  is eliminated to execute timing
control with cell monitor, etc., and the circuit scale is miniaturized.

012866248    **Image available**
WPI Acc No: 2000-038081/200003
Related WPI Acc No: 1999-276891
XRPX Acc No: N00-028724
  **Peripheral device such as** network **interface controller testing method
  in computer systems**
Patent Assignee: COMPAQ COMPUTER CORP (COPQ )
Inventor: HARSANY J S; PERUGINI R; SUPAK R E
Number of Countries: 001  Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| US 5991897 | A | 19991123 | US 96777902 | A | 19961231 | 200003 | B |
| | | | US 98223537 | A | 19981230 | | |

Priority Applications (No Type Date): US 96777902 A 19961231; US 98223537 A
  19981230
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| US 5991897 | A | | 29 | G06F-011/273 | Cont of application US 96777902 |

Abstract (Basic): US 5991897 A
     NOVELTY - Independent test modules are provided with associated
  peripheral devices, **tests** and parameters. A front **end** program (210)
  permits selection of subset module from **list** of **test** modules. The
  **list** of selected subjects is provided to a dispatcher (216) which
  dispatches the test modules for execution according to the peripheral
  devices, tests and parameters.
     USE - For computer systems.
     ADVANTAGE - Test definition tool is provided to develop tests
  without using programming or scripts, and test personnel are allowed to
  easily create tests with bill of materials.
     DESCRIPTION OF DRAWING(S) - The figure shows block diagram of
  diagnostic application.
     Front end program (210)
     Dispatcher (216)
     pp; 29 DwgNo 2A/6
Title Terms: PERIPHERAL; DEVICE;  **NETWORK** ; INTERFACE; CONTROL; TEST;
  METHOD; COMPUTER; SYSTEM
Derwent Class: T01
International Patent Class (Main): G06F-011/273
File Segment: EPI

03642949     **Image available**
 **NETWORK** CONSTITUTION INFORMATION COLLECTION SYSTEM

ABSTRACT

PURPOSE: To automatically collect data by adding sequentially collection
data generating processing to a basic data table at generation of
constitution information, referencing a view point set to the collation
condition table for each layer and displaying the collection data onto a
display device automatically based on the collection table for each view
point.

CONSTITUTION: A basic data such as name and classification of equipment and
district is set to a basic data table 1. Whether or not check of all layers
of a collection condition table 2 setting view points for each of all
layers is **finished** is **checked** . When the **check** is **finished** , the
setting is **finished** and when the **check** is not **finished** , the view
point of the set layer is referenced and extracted. The basic data table 1
is retrieved based on the extracted view point to generate and process the
collection table 3 collecting name of equipments for each view point. All
the layers of the collection condition **table** are **checked** again and the
processing is repeated till **check** of all the layers is **finished** .

**37/5/4     (Item 4 from file: 347)**
DIALOG(R)File 347:JAPIO
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05683741    **Image available**
SYSTEM FOR ASSUMING NON-RESPONSE EQUIPMENT

ABSTRACT

PROBLEM  TO BE SOLVED: To remove invalid time out of monitoring time inside
a  monitor  **network**  by excluding a device to be monitored which is assumed
not  feasible to monitor being interrupted by a monitor disability detected
device, out of objects of periodical monitoring.

SOLUTION:  Communication  equipment to assume the state of no response from
the  constitution  of the monitor  **network**  through the transfer disability
of  a polling signal POL in the case of turning each piece of communication
equipment  to  non-response  state  is  stored as relational equipment in a
relational  equipment  **table**  43a.  When  a  **polling** processing part 33
detects  any  change  in  the  equipment  state of communication equipment,
**polling**  processing  is  **stopped**  and a non-response equipment assuming
part  37a  is  actuated.  While referring to the relational equipment table
43a,  the  equipment state of relational equipment inside an equipment state
table  42  corresponding to the communication equipment in the non-response
state  is  undated  into  the  non-response  state  (estimation)  by  the
non-response  equipment  assuming  part  37a.  Afterwards,  the  polling
processing  part 33 omits polling processing to the communication equipment
of which the non-response state (estimation) is stored in the table 42.

010606263     **Image available**
WPI Acc No: 1996-103216/199611
XRPX Acc No: N96-086629
  **Communication protocol fault analysis device - has diagnostic execution**
  **mechanism which outputs history of communication state stored by**
  **communication state** record    table **diagnostic** group **result with**
  **reference to diagnostic information database**
Patent Assignee: NEC SOFTWARE CHUGOKU LTD (NIDE  )
Number of Countries: 001  Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|-----------|------|------|-------------|------|------|------|---|
| JP 8008998 | A | 19960112 | JP 94139252 | A | 19940622 | 199611 | B |

Priority Applications (No Type Date): JP 94139252 A 19940622
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|-----|----------|--------------|
| JP 8008998 | A | | 9 | H04L-029/14 | |

Abstract (Basic): JP 8008998 A
     The device has a composition information database which describes a
composition information on a **network**  which includes a message
collection device that monitors and collects a communication message on
a transmission line. A communication message collector then acquires
the communication message collected at fixed time after a start
indicated by a communication executing mechanism and a communication
message **record    table**  carries out a temporary memory.
     The communication executing mechanism then directs a collection
start of the communication message to all collection **devices    on**  all
routes which demands start of a test communication to the terminal of a
transmission origin selected with a monitoring route generator. A
trouble is then analysed from the history of a communication state. It
has a communication message prediction mechanism which predicts the
communication message with reference to a communication format database
and a protocol state-transition database based on newest communication
state is stored by the communication state **record    table** .
     ADVANTAGE - Analyses communication protocol fault generated in
large scale  **network** . Response quickly to fault generation.
     Dwg.1/9
Title Terms: COMMUNICATE; PROTOCOL; FAULT; ANALYSE; DEVICE; DIAGNOSE;
  EXECUTE; MECHANISM; OUTPUT; HISTORY; COMMUNICATE; STATE; STORAGE;
  COMMUNICATE; STATE; RECORD; TABLE; DIAGNOSE; GROUP; RESULT; REFERENCE;
  DIAGNOSE; INFORMATION; DATABASE
Derwent Class: T01; W01
International Patent Class (Main): H04L-029/14
International Patent Class (Additional): G06F-013/00
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX

011956702     **Image available**
WPI Acc No: 1998-373612/199832
XRPX Acc No: N98-293257
  Network **monitoring system - stores** state **information of each** node
 **in** state **information storing table which is then transmitted depending**
 **on polling data received from monitoring apparatus**
Patent Assignee: FUJITSU LTD (FUIT  )
Number of Countries: 001  Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| JP 10150493 | A | 19980602 | JP 96308983 | A | 19961120 | 199832 | B |

Priority Applications (No Type Date): JP 96308983 A 19961120
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| JP 10150493 | A | | 9 | H04M-003/22 | |

Abstract (Basic): JP 10150493 A
      The system includes a monitoring apparatus (1) which monitors
    multiple mode groups (2) containing nodes (3). A **group    polling**
    **table** (1b) and a **polling** member (1a) for each node **group** is set in
    the monitoring apparatus. A main **node** is provided **on** the **group**
    **polling  table** and is different for each **polling** period of each
    **group** . The **state** information of each **node** is stored in a **state**
    information storing table (3d). The time at which the parent node in
    each **group** varies corresponding to predefined **polling** period is set
    in a **polling** time **table** (3e).
      Each group has a sub- **node** that transmits **state** information of
    an auto **node** to the main node of an auto **group** , before the ellapse
    of **polling** period. The **condition** of each **node** in the group is
    collected by the main **node** and is stored in the **state** information
    storing table. The stored **node** information is transmitted depending
    upon the polling data received from the monitoring apparatus.
      ADVANTAGE - Does not affect other node, when specific **node** is in
    monitoring inability **state** . Improves communication efficiency.
      Dwg.1/7
Title Terms: **NETWORK** ; MONITOR; SYSTEM; STORAGE; STATE; INFORMATION; NODE;
  STATE; INFORMATION; STORAGE; TABLE; TRANSMIT; DEPEND; POLL; DATA; RECEIVE
 ; MONITOR; APPARATUS
Derwent Class: W01
International Patent Class (Main): H04M-003/22
International Patent Class (Additional): H04L-012/24; H04L-012/26;
  H04L-012/40
File Segment: EPI

010948125
WPI Acc No: 1996-445075/199645
XRPX Acc No: N96-374779
  **Cyclic selective poll management device for** network **resource monitor –**
  **executes in parallel two sub-processes which empty** poll  table **and**
  **fill wait table and vice versa while replies are awaited.**
Patent Assignee: BULL SA (SELA  )
Inventor: DOUMARD R; DOUMMAR R
Number of Countries: 012  Number of Patents: 006
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|-----------|------|------|-------------|------|------|------|---|
| EP 736831 | A1 | 19961009 | EP 96400721 | A | 19960403 | 199645 | B |
| FR 2732788 | A1 | 19961011 | FR 954093 | A | 19950406 | 199648 | |
| CA 2172332 | A | 19961007 | CA 2172332 | A | 19960321 | 199706 | |
| JP 8339317 | A | 19961224 | JP 9682731 | A | 19960404 | 199710 | |
| US 5774732 | A | 19980630 | US 96622304 | A | 19960327 | 199833 | |
| CA 2172332 | C | 20000222 | CA 2172332 | A | 19960321 | 200029 | |

Priority Applications (No Type Date): FR 954093 A 19950406
Cited Patents: 1.Jnl.Ref; WO 9310495
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|---------| -------------|
| EP 736831 | A1 | F | 7 | G06F-011/30 | |

   Designated States (Regional): BE DE ES FI FR GB IE IT SE

| | | | | | |
|-----------|------|-----|----|---------| -------------|
| CA 2172332 | C | F | | H04L-012/26 | |
| CA 2172332 | A | F | | H04L-012/26 | |
| JP 8339317 | A | | 6 | G06F-011/30 | |
| FR 2732788 | A1 | | | G06F-011/30 | |
| US 5774732 | A | | | G06F-013/00 | |

Abstract (Basic): EP 736831 A
     The device has an indexed data table contains data for each request
  to be transmitted, with its own index and theoretical transmission
  time. A **poll   table** containing the request indices and transmission
  dates is sorted in date order. A wait table, indexed with the indices
  of requests transmitted in expectation of replies, contains the dates
  of the next transmissions.
     The first subprocess, started by placement of a call in the **poll**
  **table** by the second subprocess, is **stopped** when the **poll   table**
  is empty. The second subprocess, initiated when a current request is
  answered, fills the **poll   table** , empties the wait table and is
  stopped when no more replies are expected.
     ADVANTAGE - High performance is achieved with a procedure involving
  only one processing operation.
     Dwg.0/0
Title Terms: CYCLIC; SELECT; POLL; MANAGEMENT; DEVICE; **NETWORK** ; RESOURCE;
  MONITOR; EXECUTE; PARALLEL; TWO; SUB; PROCESS; EMPTY; POLL; TABLE; FILL;
  WAIT; TABLE; VICE; REPLY; AWAIT
Derwent Class: T01
International Patent Class (Main): G06F-011/30; G06F-013/00; H04L-012/26
International Patent Class (Additional): G06F-019/00; H04L-012/24
File Segment: EPI

**43/5/2** **(Item 2 from file: 347)**
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

01474848    **Image available**
STATE INFORMATION CONTROL SYSTEM OF COMPUTER NETWORK

PUB. NO.:        59-186448   [JP 59186448  A]
PUBLISHED:       October 23, 1984 (19841023)
INVENTOR(s):     SATO KEIJI
                 KIMOTO TAKASHI
                 NAKAMURA YOSHIHIRO
                 FUKATSU SADAO
                 WATABE NOBUO
APPLICANT(s):    FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
                 (Japan)
APPL. NO.:       58-061764  [JP 8361764]
FILED:           April 08, 1983 (19830408)
INTL CLASS:      [3] H04L-011/00; G06F-015/16; G06F-011/34
JAPIO CLASS:     44.3 (COMMUNICATION -- Telegraphy); 45.1 (INFORMATION
                 PROCESSING -- Arithmetic Sequence Units); 45.4 (INFORMATION
                 PROCESSING -- Computer Applications)
JOURNAL:         Section: E, Section No. 299, Vol. 09, No. 47, Pg. 88,
                 February 27, 1985 (19850227)

                           ABSTRACT
PURPOSE: To  increase  a  response  time and reduce the load of a computer
network  by  providing  a  control  computer with a state information table
stored  with  state  information on each computer and measuring the elapsed
time  from  the  point  of time when the state information is collected and
stored,  deciding  on  whether  the  measured  value  is  ''effective''  or
''ineffective'',  and  returning  the  state  information  in  the  state
information **table** at an **inquiry**  from an optional computer only when its
measured value is ''effective''.

CONSTITUTION:  When  a requesting compute A11 transmits a state information
request  command  to  the  control  computer  15 through a packet switching
 **network**   14,  the  control  computer  15  **checks**  whether  its  **state**
information  is  effective  or ineffective 21 and requests computers B-N to
transfer state information successively when ineffective. The computers B-N
when receiving the request from the control computer 15 return their pieces
of  state  information  to the control computer 15. The control computer 15
stores the pieces of state information from the respective computers in the
state  information  table  and  an effective/ineffective flag 21 is changed
into  ''effective''  when  the  pieces  of  state  information from all the
computers  are  stored  to  start  clocking  by  an  unshown  timer  while
transferring the state information to the requesting computer A11. When the
timer  operates  up to an optional set time, it enters a time-out state and
changes said flag into ''ineffective''.

**18/5/2      (Item 2 from file: 347)**
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

04161427    **Image available**
NETWORK MANAGING DEVICE

PUB. NO.:      05-153127  [JP 5153127  A]
PUBLISHED:     June 18, 1993 (19930618)
INVENTOR(s):   OGAWA TETSUO
APPLICANT(s):  KAWASAKI STEEL CORP [000125] (A Japanese Company or
               Corporation), JP (Japan)
APPL. NO.:     03-337844  [JP 91337844]
FILED:         November 27, 1991 (19911127)
INTL CLASS:    [5] H04L-012/28; G06F-013/00
JAPIO CLASS:   44.3 (COMMUNICATION -- Telegraphy); 45.2 (INFORMATION
               PROCESSING -- Memory Units)
JOURNAL:       Section: E, Section No. 1442, Vol. 17, No. 545, Pg. 25,
               September 30, 1993 (19930930)

                           ABSTRACT
PURPOSE: To attain the active **state** polling of each **node**  connected with
the  same  network according to a single active state polling request, even
when the protocol of a data link layer or the like is different.
CONSTITUTION:  The  plural  nodes  whose protocols  are  not  the same are
connected  with a **network** L. When a **polling** command requesting means 12
accepts   the   single   active  **state     polling**  request,  a  **node**
 **classification**  judging means 14 judges the protocol classification of the
objective  node of the polling request by using anode attribute **table**  16.
A  **polling**  means  18  operates the active state polling according to the
judged result. Therefore, the single active state polling can be attained.

DIALOG(R)File 347:JAPIO
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05715389    **Image available**
MULTIUSER IMAGE FORMING DEVICE

PUB. NO.:      09-330189  [JP 9330189  A]
PUBLISHED:     December 22, 1997 (19971222)
INVENTOR(s):   GOTO HIROSHI
APPLICANT(s):  RICOH CO LTD [000674] (A Japanese Company or Corporation), JP
               (Japan)
APPL. NO.:     08-168383  [JP 96168383]
FILED:         June 08, 1996 (19960608)
INTL CLASS:    [6]  **G06F-003/12** ; B41J-029/38
JAPIO CLASS:   45.3 (INFORMATION PROCESSING -- Input Output Units); 29.4
               (PRECISION INSTRUMENTS -- Business Machines)

ABSTRACT
PROBLEM  TO  BE SOLVED: To improve print efficiency and the throughput of a
host  device  by  informing each host **device** of the allocation **state**  of
trays,  etc., and enabling each host device to make a print indication with
efficiency.

SOLUTION:  A  host I/F 31 sends and receives data to and from external host
devices  2  independently of each other. A print state table 342 stores the
allocation  state  of  a paper feed tray 6, the allocation state of a paper
discharge  tray  8,  and  the  print. state  and  fault occurrence state of
received  print  data  by  host I/Fs 31. A print state answer part 353 when
inquired  of  by  a  host  **device**  2 about those **states**  sends the states
corresponding  to  all the host I/Fs 31 which are stored in the print state
 **table**  342 to the  **inquiring   host**  device 2.

011113799    **Image available**
WPI Acc No: 1997-091724/199709
XRPX Acc No: N97-075631
**IPS with checking device in processor - has notification device that notifies processor contents after reading input-output instruction finalization and finalizing state from data transfer finalizing managed** table **to** check  instruction **from processor**
Patent Assignee: NEC KOFU LTD (NIDE  )
Number of Countries: 001  Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| JP 8328988 | A | 19961213 | JP 95132230 | A | 19950530 | 199709 | B |

Priority Applications (No Type Date): JP 95132230 A 19950530
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| JP 8328988 | A | | 5 | G06F-013/12 | |

Abstract (Basic): JP 8328988 A
     The IPS has a transfer finalizing check instruction which checks the finalization of an input-output instruction and finalization state in which the data transfer to an input-output unit (501) are indicated to a **network** (201) connected between several processors (101). The data transfer finalizing managed table (601) in a data transfer processing equipment (401) is held to the input-output **instruction** indicated from the processor. A **termination** sensor and a state sensor detects the termination and the finalizing state of the input-output instruction respectively.
     A common memory unit (301) stores the data obtd. by the termination sensor and the state sensor in the data transfer finalizing managed table. The finalization of the input-output instruction and the finalization state from the data transfer finalizing managed table to the transfer finalizing check instruction from the processor are read by a reader. The contents of the processor are notified by a notification device.
     ADVANTAGE - Eliminates overhead to interruption processing and improves engine performance.
     Dwg.1/5
Title Terms: CHECK; DEVICE; PROCESSOR; NOTIFICATION; DEVICE; NOTIFICATION; PROCESSOR; CONTENT; AFTER; READ; INPUT; OUTPUT; INSTRUCTION; STATE; DATA; TRANSFER; TABLE; CHECK; INSTRUCTION; PROCESSOR
Derwent Class: T01
International Patent Class (Main): G06F-013/12
International Patent Class (Additional): G06F-015/163
File Segment: EPI

012290061     **Image available**
WPI Acc No: 1999-096167/199908
XRPX Acc No: N99-069936
   **Intelligent roaming using network information e.g. for cellular telephone
   - having cellular telephone identifying preferable cellular service
   provides in multi service provider environment using search schedule
   based on** information    gathered **by cellular telecommunications** network

Patent Assignee: AT & T WIRELESS SERVICES INC (AMTT  )
Inventor: RAFFEL M A; RAFFAEL M A
Number of Countries: 022  Number of Patents: 009
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|-----------|------|------|-------------|------|------|------|---|
| WO 9901001 | A1 | 19990107 | WO 98US12266 | A | 19980612 | 199908 | B |
| EP 992167 | A1 | 20000412 | EP 98929031 | A | 19980612 | 200023 | |
| | | | WO 98US12266 | A | 19980612 | | |
| TW 376673 | A | 19991211 | TW 98110178 | A | 19980624 | 200043 | |
| US 6223042 | B1 | 20010424 | US 97883111 | A | 19970626 | 200125 | |
| MX 9911892 | A1 | 20000501 | MX 9911892 | A | 19991216 | 200129 | |
| CA 2444185 | A1 | 19990107 | CA 2294432 | A | 19980612 | 200416 | |
| | | | CA 2444185 | A | 19980612 | | |
| CA 2294432 | C | 20040330 | CA 2294432 | A | 19980612 | 200424 | |
| | | | WO 98US12266 | A | 19980612 | | |
| EP 992167 | B1 | 20050511 | EP 98929031 | A | 19980612 | 200536 | |
| | | | WO 98US12266 | A | 19980612 | | |
| DE 69830172 | E | 20050616 | DE 98630172 | A | 19980612 | 200540 | |
| | | | EP 98929031 | A | 19980612 | | |
| | | | WO 98US12266 | A | 19980612 | | |

Priority Applications (No Type Date): US 97883111 A 19970626
Patent Details:

Patent No  Kind Lan Pg   Main IPC    Filing Notes
WO 9901001     A1 E  42 H04Q-007/32
   Designated States (National): CA MX
   Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
   MC NL PT SE
EP 992167     A1 E     H04Q-007/32    Based on patent WO 9901001
   Designated States (Regional): DE FR GB
TW 376673     A        H04Q-007/20
US 6223042    B1       H04Q-007/38
MX 9911892    A1       H04Q-007/32
CA 2444185    A1 E     H04Q-007/36    Div ex application CA 2294432
CA 2294432    C  E     H04Q-007/32    Based on patent WO 9901001
EP 992167     B1 E     H04Q-007/32    Based on patent WO 9901001
   Designated States (Regional): DE FR GB
DE 69830172   E        H04Q-007/32    Based on patent EP 992167
                                      Based on patent WO 9901001

Abstract (Basic): WO 9901001 A
      The method involves retrieving, from the network, information
   related to registrations on the network. A frequency band search
   schedule based, at least in part, on the information, is established
   for the cellular telephone, the search schedule includes a number of
   **items    listed** in a set order. The registrations include registrations
   made by the wireless communication device.
      The registrations include registrations made by cellular telephone
   other than the cellular telephone. The items are selected from the

group consisting of frequencies, System Operator Codes and System
Identifier Codes. The information includes the location of the cellular
telephone during the last registration. The information includes the
service provider that completed the last call made by the device.
    ADVANTAGE - provides improved intelligent roaming technique in
which **information** gathered by wireless **network** is used to
formulate optimal search schedule.
    Dwg.1/12

Title Terms: INTELLIGENCE; NETWORK; INFORMATION; CELLULAR; TELEPHONE;
  CELLULAR; TELEPHONE; IDENTIFY; PREFER; CELLULAR; SERVICE; MULTI; SERVICE;
  ENVIRONMENT; SEARCH; SCHEDULE; BASED; INFORMATION; GATHER; CELLULAR;
  TELECOMMUNICATION; NETWORK
Derwent Class: W01; W02
International Patent Class (Main): H04Q-007/20; H04Q-007/32; H04Q-007/36;
  H04Q-007/38
International Patent Class (Additional): H04Q-007/24
File Segment: EPI

**26/5/8    (Item 8 from file: 347)**
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

02704539    **Image available**
SHARED PROGRAM UTILIZING SYSTEM AT PROGRAM EXECUTION TIME

ABSTRACT

PURPOSE: To shorten processing time at the time of program execution by
directly transferring the execution from a shared program reference program
to a shared program without using an exception processing.

CONSTITUTION: By a program loader 15 provided at a main memory device 11
from a disc device 12, a shared program 20 is loaded as a shared program
14, a **shared** program **entry** label name **table** 19 is loaded as a **shared**
 program. **entry** label **table** 13, and a shared program reference program
23 is loaded as a shared program reference program 17 respectively. Thus,
the reference solution of the shared program is executed at the time of
loading of the shared program reference program by an address re-
**arrangement** means with the program loader, control can be transferred to
the shared program as if it were a sub-routine call from the shared program
reference program at the time of execution, and the processing time can be
shortened at the time of the execution.

```
Set     Items    Description
S1      282695   NETWORK? ? OR WAN OR LAN
S2       37944   S1(5N)(MONITOR??? OR MANAG????? OR POLL??? OR STATE??)
S3       27916   DICTIONAR??? OR LIST??? OR TABLE? ? OR MATRIX OR MATRICES -
                 OR DATA()STRUCTURE? ?
S4       22012   RECORD? ? OR ENTRY OR ENTRIES OR ITEM? ?
S5       20391   INQUIR??? OR ENQUER??? OR QUER??? OR INSTRUCTION? ?
S6       26300   POLL? ? OR POLLING OR POLLED OR CHECK??? OR TEST??? OR VER-
                 IF????
S7        8619   S3(3N)S4:S6
S8         797   S7(10N)(GROUP? ? OR ORGANIZ????? OR ARRANG????? OR CLASSIF-
                 ????????)
S9        1138   S7(10N)(SUBJECT? ? OR CATEGORI???????? OR TYPE? ? OR TOPIC?·
                 ? OR CLASS??)
S10       1689   S8:S9
S11      28245   COMPUTER? ? OR PC OR WORKSTATION? ? OR WORK()STATION? ? OR
                 MICROCOMPUTER? ?
S12      33743   NODE? ? OR DEVICE? ? OR CLIENT? ?
S13      35990   STATE? ? OR CONDITION? ? OR CONFIGUR?????? OR STATUS??
S14      17229   S13(5N)S11:S12
S15        122   S10(100N)S14
S16         69   S15 AND IC=G06F
S17         43   S16 NOT AD=19991118:20021118/PR
S18         29   S17 NOT AD=20021118:20051109/PR
File 348:EUROPEAN PATENTS 1978-2005/Oct W04
        (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20051103,UT=20051027
        (c) 2005 WIPO/Univentio
? logoff hold
       09nov05 13:45:00 User259273 Session D200.7
```

**18/3,K/20      (Item 11 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00543726    **Image available**
**CHANGE MONITORING SYSTEM FOR A COMPUTER SYSTEM**
**DISPOSITIF DE CONTROLE DE MODIFICATIONS POUR SYSTEME INFORMATIQUE**
Patent Applicant/Assignee:
  WESTINGHOUSE ELECTRIC COMPANY LLC,
Inventor(s):
  CICCONE Lawrence T Jr,
  CAMDEN Thomas M Jr,
  ALTMAN Duane E,
  FULLER Charles F,
  KOPP Harold J,
  THEE Gwen,
Patent and Priority Information (Country, Number, Date):
  Patent:              WO 200007099 A1 20000210 (WO 0007099)
  Application:         WO 99US15352 19990707   (PCT/WO US9915352)
  Priority Application: US 98126789 19980731
Designated States:
(Protection type is "patent" unless otherwise stated – for applications
prior to 2004)
  AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
  GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN
  MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA
  ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY
  DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML
  MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 10138

Main International Patent Class:  **G06F-009/44**
International Patent Class:  **G06F-009/445 ...**

**... G06F-011/22 ...**

**... G06F-011/32**
Fulltext Availability:
  Detailed Description

Detailed Description
...  g., products that have similarities, such as Microsoft Office or
  pieces of operating systems), and **check  lists** (e.g., **groups** of
  products for particular platforms which are used to **configure** a user
  **node** ; locations of files employed to reload a user node). Thus, for
  example, an HP 735...

DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00541083    **Image available**
**METHOD AND APPARATUS FOR INTERACTING WITH A SOURCE CODE CONTROL SYSTEM**
**PROCEDE  ET DISPOSITIF CAPABLE D'INTERACTION AVEC UN SYSTEME DE COMMANDE EN**
    **CODE ORIGINE**
Patent Applicant/Assignee:
  PLATINUM TECHNOLOGY IP INC,
Inventor(s):
  MASON Matthew J,
Patent and Priority Information (Country, Number, Date):
  Patent:            WO 200004456 A1 20000127 (WO 0004456)
  Application:       WO 99US15826 19990714  (PCT/WO US9915826)
  Priority Application: US 98115273 19980714
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
  GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
  MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
  ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
  CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW
  ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 17786

Main International Patent Class:  **G06F-015/00**
Fulltext Availability:
  Claims

Claim
...  by environment, and
  current release; and
  said step of producing said package based reports
  includes **organizing** a **list** of **items** by at least one of
  items modified by packages, packages by state, time in
  state...

...configuration
  management system by dragging and dropping them into
  said representation displayed on said display **device** .

  75 The **configuration** management system according
  to Claim 73, further comprising:
  means for checking out objects within said...

00526269
**EMBEDDED NETWORK MANAGEMENT SYSTEM**
**SYSTEME INCORPORE DE GESTION DE RESEAU**
Patent Applicant/Assignee:
  BARBER-COLEMAN COMPANY,
Inventor(s):
  ADAMS Robert A,
  ALLGOOD Ottie E,
  SAUNDERS Andrew T,
Patent and Priority Information (Country, Number, Date):
  Patent:               WO 9957621 A2 19991111
  Application:          WO 99US9650 19990503  (PCT/WO US9909650)
  Priority Application: US 9872794 19980505
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  CA AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 12389

Main International Patent Class:  **G06F**
Fulltext Availability:
  Detailed Description

Detailed Description
...  XUSHORT usNumNVs;
  XBYTE btVersionSNVTStruct;
  XUSHORT usSNVTStructAddress;
  CMR ADDRESS sNodeAddress;
  ADDRESS DATA asAddressData[MAX-NUM-ADDR- **TABLE - ENTRIES** ];
  I NODE-DA;fA;
  Parameter Description
  eNodeType - enumeration indicating the  **type**  of node.

  NODE TYPE UNKNOWN 0
  NODE TYPE-SELF I
  NODE TYPE PERMANENT 2
  NODE...

...Neuron Chip
  IdString - the devices program id.

  38
  SUBSTITUTE SHEET (RULE 26)
  eNodeState - the current  **state**  of the  **node** .

   **NODE**   UNKNOWN 0
  NODE-UNCOMMISSIONED I
  NODE ONLINE 2
  NODE OFFLINE 3
  bitAddressCount - the number of entries in the nodes address table per
  the nodes ReadOnly data bitAddressesUsed - the number of  **entries**  in the
  address  **table**  currently used. This is used when processing  **groups**  to
  determine if the node can be added to a new group.

  bitHostedNode - TRUE if...

00499104     **Image available**
**A METHOD AND APPARATUS RELATING TO MESSAGING IN A DISTRIBUTED COMMUNICATION
    SYSTEM**
**SYSTEME DE COMMUNICATIONS ET PROCEDE D'ENVOI DE MESSAGES DANS UN SYSTEME DE
    COMMUNICATIONS**
Patent Applicant/Assignee:
  TELEFONAKTIEBOLAGET LM ERICSSON (publ),
Inventor(s):
  VASELL Jesper,
Patent and Priority Information (Country, Number, Date):
  Patent:              WO 9930456 A2 19990617
  Application:         WO 98SE2177 19981130   (PCT/WO SE9802177)
  Priority Application: SE 974565 19971208
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH
  GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW
  MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH
  GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES
  FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN
  TD TG
Publication Language: English
Fulltext Word Count: 9434

Main International Patent Class:  **G06F-015/16**
International Patent Class:  **G06F-009/46**
Fulltext Availability:
 Detailed Description

Detailed Description
... old" node,
  260. In an alternative embodiment function type FS may be
  introduced into the **state** table of an old **node** containing no
  information whatsoever thereon, for example in a system in which it
  is supposed...

...message to type FS operation
  command, 310. A search is then performed in the state **table** for an
  **entry** of function **type** FS, ...such a request
  is received in an old node, the distribution manager of the old
  **node** checks its **state** table to see if there is any information
  about function typ FS, 350. A check...

00467850     **Image available**
SYSTEM AND METHOD FOR SERVER-SIDE OPTIMIZATION OF DATA DELIVERY ON A
    DISTRIBUTED COMPUTER NETWORK
SYSTEME ET PROCEDE D'OPTIMISATION COTE SERVEUR DE LA FOURNITURE DE DONNEES
    SUR UN RESEAU D'INFORMATIQUE DISTRIBUEE
Patent Applicant/Assignee:
  INTERVU INC,
  KENNER Brian,
  COLBY Kenneth W,
  MUDRY Robert N,
Inventor(s):
  KENNER Brian,
  COLBY Kenneth W,
  MUDRY Robert N,
Patent and Priority Information (Country, Number, Date):
  Patent:               WO 9858315 A1 19981223
  Application:          WO 98US12784 19980616   (PCT/WO US9812784)
  Priority Application: US 97878385 19970618
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GW HU
  ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ
  PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE
  LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR
  GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 14482

Main International Patent Class:  G06F-009/46
International Patent Class:  G06F-017/30
Fulltext Availability:
  Detailed Description

Detailed Description
... use the
  system will' be provided, in a preferred embodiment, with software which
  includes a **configuration** utility and a **client** program. The
  **configuration** utility is used first to determine which delivery sites
  provide improved performance for that particular...

...service provider. This delivery site file contains a list of available
  delivery sites and a **list** of network **tests** to be run.
  The **types** of tests and frequency of testing to be performed may be
  specified in the delivery...

00456593
**REGISTRY MANAGEMENT SYSTEM**
**SYSTEME DE GESTION DE REGISTRES**
Patent Applicant/Assignee:
  R2K LLC,
  YIEN Richard,
  RUBINO Joseph,
  SABIN Todd,
  DUDA Jacek,
  POLIVKA Andrej,
Inventor(s):
  YIEN Richard,
  RUBINO Joseph,
  SABIN Todd,
  DUDA Jacek,
  POLIVKA Andrej,
Patent and Priority Information (Country, Number, Date):
  Patent:              WO 9847057 A2 19981022
  Application:         WO 98US7495 19980414   (PCT/WO US9807495)
  Priority Application: US 9743643 19970414
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GW HU
  ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ
  PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE
  LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR
  GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 7880

Main International Patent Class:  **G06F-013/00**
Fulltext Availability:
  Detailed Description


Detailed Description
...  According to the disclosed invention, information regarding each
  computer 14 is collected and stored in  **configuration**  database 20. Such
  information includes  **computer**  identity, group names, current Registry
  settings within each computer 14, and linking information which links...

...String The NT name of the computer or
 the group name                            .
 Each computer 14 or  **group**  of computers 14 within network 12 includes an
  **entry**  in this  **table** .

 2. Links
 The Links Table is used to define which computers or groups are contained
 ...current Registry settings of each computer 14. As differences between
 the Registry settings of each  **computer**  and the Registry settings occur,
  **configuration**  management system 10 identifies the differences between
 the AH list and the SH list to reconcile the  **computer**    **configuration**
 with the  **configuration**  management settings of network 12.

 As shown in Fig. 6, configuration management system 10 performs the steps
 of getting a record of the settings from computers 14 and  **groups**    **table**

in step 34; **checking** if **TYPE** = **GROUP** in the record in step 36; skipping the record in step 38 if the TYPE...

```
Set       Items    Description
S1      3558199    DICTIONAR??? OR LIST??? OR TABLE? ? OR MATRIX OR MATRICES -
                   OR ARRAY? ? OR DATA()STRUCTURE? ?
S2      1273716    RECORD? ? OR ENTRY OR ENTRIES OR ITEM? ?
S3       502210    INQUIR??? OR ENQUER??? OR QUER??? OR INSTRUCTION? ?
S4      6822249    POLL? ? OR POLLING OR POLLED OR CHECK??? OR TEST??? OR VER-
                   IF????
S5      4846031    CENTRAL???? OR SHARE? ? OR SHARING OR COMMON?? OR HOST? ?
S6      2488439    NETWORK? ? OR WAN OR LAN
S7      4959396    COMPUTER? ? OR PC OR WORKSTATION? ? OR WORK()STATION? ? OR
                   MICROCOMPUTER? ?
S8      2917601    NODE? ? OR DEVICE? ? OR CLIENT? ?
S9     14650050    STATE? ? OR CONDITION? ? OR CONFIGUR?????? OR STATUS??
S10      250917    S8(5N)("ON" OR OFF OR BUSY)
S11      222725    (PRESENT OR PRESENCE OR EXIST???? OR DISTRIBUT??? OR CONFI-
                   GUR?????? OR UPDAT???)(3N)(FILE? ? OR PROGRAM? ? OR SOFTWARE -
                   OR APPLICATION? ?)
S12     7322296    GROUP? ? OR ORGANIZ????? OR ARRANG????? OR CLASSIF??????
S13     8364317    SUBJECT? ? OR CATEGOR???????? OR TYPE? ? OR TOPIC? ? OR CL-
                   ASS??
S14       82719    S1(3N)S2:S4
S15      264332    (INFORMATION OR S9)(2N)(GATHER??? OR COLLECT??? OR S3 OR S-
                   4)
S16      484595    S9:S11(5N)S7:S8
S17      350475    S2:S4(5N)S12:S13
S18           9    S14 AND S15 AND S16 AND S17
S19           7    RD (unique items)
S20         178    S14 AND S15 AND S6
S21          89    S14 AND S15 AND S16
S22         257    S19:S21
S23          92    S22 AND S12:S13
S24          85    S23 NOT S19
S25          65    RD (unique items)
S26          56    S25 NOT PY=1999:2002
S27          40    S26 NOT PY=2003:2005
S28          27    S27 AND S6
S29           1    S25 AND PY=1999
S30       89602    NETWORK(2N)(MONITOR??? OR STATE? ? OR MANAG????? OR POLL??-
                   ?)
S31        1509    S30 AND S15
S32          12    S31 AND S14
S33       12782    S11(10N)S6
S34        2630    S14(3N)S12:S13
S35           0    S33 AND S34
S36          20    S33 AND S14
S37          20    S36 NOT (S19 OR S24 OR S28 OR S32)
S38          18    RD (unique items)
S39          13    S38 NOT PY=2000:2005
File    2:INSPEC 1898-2005/Oct W5
           (c) 2005 Institution of Electrical Engineers
File    6:NTIS 1964-2005/Oct W5
           (c) 2005 NTIS, Intl Cpyrght All Rights Res
File    8:Ei Compendex(R) 1970-2005/Oct W5
           (c) 2005 Elsevier Eng.  Info. Inc.
File   34:SciSearch(R) Cited Ref Sci 1990-2005/Oct W5
           (c) 2005 Inst for Sci Info
File   35:Dissertation Abs Online 1861-2005/Oct
           (c) 2005 ProQuest Info&Learning
File   65:Inside Conferences 1993-2005/Nov W1
           (c) 2005 BLDSC all rts. reserv.
```

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File  94:JICST-EPlus 1985-2005/Sep W1
        (c)2005 Japan Science and Tech Corp(JST)
File  99:Wilson Appl. Sci & Tech Abs 1983-2005/Oct
        (c) 2005 The HW Wilson Co.
File 111:TGG Natl.Newspaper Index(SM) 1979-2005/Nov 07
        (c) 2005 The Gale Group
File 144:Pascal 1973-2005/Oct W5
        (c) 2005 INIST/CNRS
File 239:Mathsci 1940-2005/Dec
        (c) 2005 American Mathematical Society
File 256:TecInfoSource 82-2005/Feb
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        09nov05 13:10:10 User259273 Session D200.5
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**32/5/5    (Item 1 from file: 8)**

04905782    E.I. No: EIP98014000430
   Title: **Passive testing and applications to** network    management
   Author: Lee, David; Netravali, Arun N.; Sabnani, Krishan K.; Sugla, Binay
; John, Ajita
   Corporate Source: Bell Lab
   Conference   Title:   Proceedings   of   the 1997 International Conference on
Network Protocols
   Conference      Location:      Atlanta,     GA,     USA   Conference      Date:
19971028-19971031
   Sponsor: IEEE
   E.I. Conference No.: 47577
   Source:   International. Conference   on   Network Protocols 1997. IEEE Comp
Soc, Los Alamitos, CA, USA,97TB100174. p 113-122
   Publication Year: 1997
   CODEN: 85QDAI
   Language: English
   Document Type: CA; (Conference Article)    Treatment: T; (Theoretical)
   Journal Announcement: 9803W1
   Abstract: An important aspect of **network    management** is fault
management – determining, locating, isolating and correcting faults in the
network. This paper deals with the algorithms for detecting faults, i.e.,
behavior of the network different from specifications. It is important for
communication networks to detect faults 'in-process' i.e., while the
network is in its normal operation. Thus, we detect faults by examining the
input-output behavior without forcing the system to specialized inputs
explicitly for testing. Such testing is commonly called passive testing. We
model the network as a finite state machine and develop procedures for
passive **testing** including the required **data    structure** , efficient
implementations and the complexity of our procedures. We start with fully
observable and deterministic machines and then study more realistic models:
partially observable and nondeterministic machines. We also discuss
extensions to communicating finite state machines and machines extended
with parameters and variables. We apply our techniques to management of a
signaling network operating under the Signaling System 7 (SS7) and report
experimental results, which show the feasibility of applying passive
testing to practical systems. (Author abstract) 33 Refs.
   Descriptors: *Network protocols; Telecommunication networks; Information
management; Error detection; Algorithms; Digital computers; Data structures
   Identifiers: **Network    management** ; Fault **management** ; Passive **testing**
; Finite **state** machine
   Classification Codes:
   716.1  (Information & Communication Theory); 721.1   (Computer Theory,
Includes Formal Logic, Automata Theory, Switching Theory, Programming
Theory); 723.2   (Data Processing); 722.4   (Digital Computers & Systems)
   716   (Radar, Radio & TV Electronic Equipment); 721   (Computer Circuits &
Logic Elements); 723   (Computer Software); 722   (Computer Hardware)
   71   (ELECTRONICS & COMMUNICATIONS); 72   (COMPUTERS & DATA PROCESSING)

04464233    E.I. No: EIP96083272714
   Title: **Relational model for distributed syst**ems monitoring using flexible
**agents**
   Author: Conradie, Leander; Mountzia, Maria-Athina
   Corporate Source: Technical Univ of Munich, Munich, Ger
   Conference Title:  Proceedings of the 1996 3rd International Workshop on
Services in Distributed and Networked Environments
   Conference Location: Macau, Macao    Conference Date: 19960603-19960604
   Sponsor: IEEE
   E.I. Conference No.: 45088
   Source:  Proceedings  of  the  International  Workshop  on  Services  in
Distributed  and  Networked  Environments  1996.  IEEE,  Los  Alamitos,  CA,
USA,96TB100059. p 10-17
   Publication Year: 1996
   CODEN: 85OYA3
   Language: English
   Document Type: CA; (Conference Article)    Treatment: T; (Theoretical)
   Journal Announcement: 9610W1

   Abstract: Monitoring of distributed systems for management purposes is a
complex task aggravated by heterogeneity and distribution of resources and
tools. This paper presents a method for monitoring distributed systems by
applying concepts from the field of relational database. The user may
request information form the entire **network** by means of simple relational
queries which are automatically optimized and implemented with flexible
agents. This approach solves a large **class** of problems, adapts well to
changes in the **network** , is not dependent on a central site and presents a
usable example of flexible agent technology. The approach is illustrated by
means of examples in service and systems management. (Author abstract) 16
Refs.
   Descriptors: *Distributed computer systems; Relational database systems;
**Data    structures** ; **Information** management; **Query** languages; Computer
**networks** ; Software prototyping; Optimization; Management;
Telecommunication services
   Identifiers: Distributed systems monitoring; Relational model; Flexible
agents; **Network** and systems management
   Classification Codes:
   722.4  (Digital Computers & Systems); 723.3  (Database Systems); 723.2
(Data Processing); 722.3  (Data Communication, Equipment & Techniques);
723.1  (Computer Programming); 921.5  (Optimization Techniques)
   722  (Computer Hardware); 723  (Computer Software); 921  (Applied
Mathematics)
   72  (COMPUTERS & DATA PROCESSING); 92  (ENGINEERING MATHEMATICS)

**39/5/3      (Item 3 from file: 2)**
DIALOG(R)File    2:INSPEC

04955003    INSPEC Abstract Number: B91058632, C91053053
  **Title:  An  experiment  on  measuring  application  performance  over  the Internet**
  Author(s): Pu, C.; Korz, F.; Lehman, R.C.
  Author  Affiliation: Dept. of Comput. Sci., Columbia Univ., New York, NY, USA
  Journal: Performance Evaluation Review    vol.19, no.1, spec. issue. p.220-1
  Publication Date: May 1991  Country of Publication: USA
  CODEN: PEREDN  ISSN: 0163-5999
  U.S. Copyright Clearance Center Code: 0163-5999/91/0005/0220$1.50
  Conference  Title:  1991  ACM  SIGMETRICS  Conference  on Measurement and Modeling of Computer Systems
  Conference Sponsor: ACM
  Conference  Date:  21-24  May 1991    Conference Location: San Diego, CA, USA
  Language:  English    Document Type: Conference Paper (PA); Journal Paper (JP)
  Treatment: Practical (P)

  Abstract: The  use  of wide area networks (WANs) such as the Internet is growing  at  a  tremendous rate. Such **networks**  hold great promise for new types  of  **distributed  applications** . Developing such **applications**  will require  a  solid  understanding  of  the  performance  and  availability characteristics of WANs as they evolve. However there are many difficulties in  assessing  WAN  performance.  The  authors  have  found  some  of these difficulties  during  their  three-year  experience  in  measuring  Camelot distributed  transactions between Columbia and CMU, and Webster **dictionary queries**  between  Columbia  and the University of Washington. They have developed  the  layered  refinement  (LR) methodology to cope with these and other  problems  in doing measurements in a WAN. The LR methodology used to measure  application  performance  and  availability  in a WAN, consists of three  steps.  First,  divide  the  application  into  layers  and  design measurements  for the important layers. Second, collect data simultaneously and  continually  on  each important layer. Third, iterate as many times as necessary  the  analysis  and  refinement  of  measured  data  to  improve precision.  (2 Refs)
  Subfile: B C
  Descriptors: computer networks; distributed databases; performance
evaluation; transaction processing
  Identifiers: application performance; wide area networks; Internet;
distributed applications; availability characteristics; WAN performance;
Camelot distributed transactions; Webster **dictionary  queries** ; layered
refinement; LR methodology
  Class Codes: B6210L (Computer communications); C5620W (Other networks);
C5470  (Performance evaluation and testing); C6160B (Distributed DBMS);
C6130  (Data handling techniques)